Colin Hendrick 16045-4

We Claim:

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1. An intelligent ID card holder for an intelligent ID card comprising:

a receptacle for receiving the intelligent ID card, the receptacle electrically communicating with the intelligent ID card by contacts or RF antenna, the receptacle including a cut away section for viewing a portion of the ID card;

a memory in the holder or on the card to hold stored data representative of features of the authentic user of the card;

a sensor for collecting data representative of features of the current user of the card; and

a microcomputer to compare the stored data with the sensed data to determine whether the current user is the authentic user.

- 2. The interface of claim 1 wherein the sensor comprises a sensor selected from the group consisting of fingerprint sensor, CCD camera, chemical sensor, and microphone.
- 3. The interface of claim 1 wherein the intelligent ID card is configured by the interface.
 - 4. The interface of claim 1 wherein the intelligent ID card is a smartcard.

Colin Hendrick

5. An intelligent ID card holder to authenticate a user comprising:

a receptacle including two major surfaces with an opening formed between the two surfaces to accept the intelligent ID card into the sleeve, wherein one of the surfaces has a cutaway section for viewing the ID card;

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a plurality of contacts exposed on the inside of the receptacle to make electrical contact with the intelligent ID card;

flash memory coupled to the microcomputer to hold user feature data;

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a user feature sensor mounted on the outside of the receptacle and coupled to the microcomputer to authenticate a user;

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a programmed microcomputer mounted on or within one of the surfaces to control the intelligent ID card holder, and to compare a user's sensed feature to a stored user feature, wherein a positive comparison enables the intelligent ID card, or communicates authorization to an outside device or process based on the positive comparison; and

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a battery mounted within the one of the surfaces to power the microcomputer, flash memory, user feature sensor, and indicator

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6. The holder of claim 5 wherein the user feature sensor is a finger print sensor mounted on the outside of the receptacle and coupled to the microcomputer to authenticate a user.

Colin Hendrick

7. The holder of claim 5 wherein the user feature sensor is a camera sensor mounted on the outside of the receptacle and coupled to the microcomputer to authenticate a user.

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- 8. The holder of claim 7 wherein the camera is a CCD camera.
- 9. The holder of claim 5 wherein the user feature sensor is a chemical sensor mounted on the outside of the receptacle and coupled to the microcomputer to authenticate a user.

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10. The holder of claim 5 further comprising a visual indicator to indicate a positive match.

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- 11. The holder of claim 5 further comprising an audio indicator to indicate a positive match.
- 12. The holder of claim 5 further comprising an LCD screen to communicate information to the user.

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13. The holder of claim 12 wherein the LCD screen displays labels in the vicinity of one or more smart keys to show the function of the one or more keys.

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- 14. The holder of claim 12 wherein the LCD screen had touch sensitive areas and additionally serves as a key pad for user input.
- 15. The holder of claim 5 further comprising a radio frequency (RF) section and an antenna to transmit a signal to the outside device.
 - 16. The holder of claim 15 wherein the signal is a secure code.
 - 17. The holder of claim 15 wherein the outside device is a door lock.
 - 18. The holder of claim 15 wherein the outside device is a building security system.
 - 19. The holder of claim 5 further comprising one or more keys mounted on the outside of one of the surfaces of the receptacle and coupled to the microcomputer for user input.
 - 20. The holder of claim 5 further comprising a microphone on the outside of one of the surfaces of the receptacle and coupled to the microcomputer for user input.
 - 21. The holder of claim 5 further comprising a video camera on the outside of one of the surfaces of the receptacle and coupled to the microcomputer for user input.

Colin Hendrick 16045-4

22. The holder of claim 5 further comprising a universal serial port (USB) connection to another computer.

- 23. The holder of claim 5 wherein the intelligent ID card is a smartcard.
- 24. A method of using an intelligent ID card holder to authenticate the user of a intelligent ID card comprising:

inserting an intelligent ID card into the ID card holder;

sensing a feature of the user;

comparing the sensed feature to a stored image of the user's feature;

authenticating the user; and

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acting on the authentication.

- 25. The method of claim 24 further comprising entering a personal identification (PIN) code for additional verification of identity.
- 26. The method of claim 24 further comprising indicating, visually or aurally, the status of the verification of identity.
 - 27. The method of claim 24 wherein acting comprises transmitting a positive user authentication to an outside device.

Colin Hendrick 16045-4

- 28. The method of claim 27 further comprising permitting access based on reception of the positive user authentication.
- 29. The method of claim 24 wherein acting comprises permitting the user to log into a computer system.
 - 30. The method of claim 24 wherein acting comprises logging the user into a user account automatically based on the authentication.

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31. An authentication system using an intelligent ID card holder coupled to a computer network to compare sensed user features to stored features on a network comprising:

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a receptacle for receiving the intelligent ID card, the receptacle electrically communicating with the intelligent ID card by contacts or RF antenna, the receptacle including a cut away section for viewing a portion of the ID card;

card;

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a transceiver for transmitting and receiving the data representative of features and the feature comparisons to and from the computer network; and

a sensor for collecting data representative of features of the current user of the

a microcomputer to process the comparisons of features made by the computers

on the network.

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